Yorkshire Dales National Park

Forecast valid from 00:00 on Monday 22 Mar 2021 until 23:59 on Tuesday 23 Mar 2021

Forecast Issued on Sunday 21 Mar 2021 at 14:03

Confidence: High confidence in generally outlook of declining high pressure over the area. Lower confidence in cloud amounts and rainfall on Tuesday and Thursday.

Headline for Monday 22 Mar 2021: A dry bright start but clouding over later.

Mountain weather hazards on Monday 22 Mar 2021

Blizzards No Likelihood	**Heavy Snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** Low Likelihood	**Poor visibility** Low Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Clear night	Partly cloudy (night)	Fog	Dull	Dull	Cloudy	Cloudy	Cloudy
Precipitation probability							
10%	10%	10%	10%	10%	10%	10%	10%

Forecast for Monday 22 Mar 2021

Weather: Clear overnight with a frost expected in sheltered areas. A dry and bright start to the day with plenty of spring sunshine, generally dry all day but becoming a bit cloudier later in the day and possibly quite dull at times during the evening.

Chance of cloud free mountain/hill tops above 600m: 70% chance, scattered low cloud around in the west.

Visibility: Generally good visibility with some excellent views around the tops but some lower cloud forming at times around the exposed western slopes, this will be around 500m and above.

Forecast for Monday 22 Mar 2021

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	8/12 SW	8/14 W	9/16 W	12/18 W	14/21 W	17/25 W	15/23 W	12/19 W	10/16 SW
300	4/10 SW	3/11 W	3/11 W	9/16 W	11/19 W	12/23 W	10/20 W	7/16 W	6/14 SW
Valley	2/6 SW	2/4 W	2/4 NW	2/7 W	9/17 W	11/20 W	7/15 SW	4/12 SW	4/12 SW

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	2/-1	1/-2	1/-3	2/-2	4/-0	4/-1	3/-2	2/-2	2/-2
300	3/1	2/0	1/-1	5/2	7/4	7/4	5/2	5/2	4/2
Valley	4/3	3/2	3/2	5/4	8/6	8/6	7/5	5/4	6/4
Freezing Level*	900m	900m	1200m	1100m	1200m	1000m	900m	900m	1000m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

A significant wind chill is expected at height but freezing level is generally above the tops.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
15:00 on Sun 21 Mar 2021	0mm	0mm	0.2mm

Forecast for Tuesday 23 Mar 2021

Weather: Cloudy overnight but mainly dry. Largely dry on Tuesday morning but becoming increasingly cloudy as a front approaches from the west later in the day bringing some light rain in the evening.

Maximum wind: Southwesterly 15mph gusts 25mph increasing 25mph gusts 40mph by later in the afternoon.

Chance of cloud free mountain/hill tops above 600m: 60% in the morning, lowering to 40% in the afternoon.

Visibility: Some lower cloud forming at 600m particularly in the west in the morning, low cloud becoming broken around 500m and above. Best chance of clear tops will be in the east of the Dales.

Temperature: **Valleys:** Plus 5 rising to plus 8 Celsius.
At 600m: Plus 2 Celsius.
Freezing level: Around 1000m.